

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0851-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing

OR

☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

D-21

First Named Inventor

Wang, Yao

**COMPLETE IF KNOWN**

Application Number

10/825,702

Filing Date

04/16/2004

Art Unit

2825

Examiner Name

Unassigned

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A three dimensional tangible interface for interacting with spatial-temporal data using  
infrared light sources and infrared detectors

(Title of the invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

04/16/2004

as United States Application Number or PCT International

Application Number

10/825,702

and was amended on: (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(e) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/02A (10-00)

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**DECLARATION****ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Carlo Filippo</b>		Family Name or Surname <b>Ratti</b>	
Inventor's Signature <i>Carlo Ratti</i>		Date September 9, 2004	
Residence: City <b>Turin</b>	State	Country <b>Italy</b>	Citizenship <b>Italy</b>
Mailing Address <b>Corso Sella 28</b>			
City <b>Turin</b>			
State		ZIP <b>10131</b>	Country <b>Italy</b>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Benjamin Tarquinn Fielding</b>		Family Name or Surname <b>Piper</b>	
Inventor's Signature <i>Ben Fielding</i>		Date September 9, 2004	
Residence: City <b>London</b>	State	Country <b>U.K.</b>	Citizenship <b>U.K.</b>
Mailing Address <b>12 Turner Road</b>			
City <b>Walthamstow</b>			
State		ZIP <b>E17 3JQ</b>	Country <b>U.K.</b>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Hiroshi</b>		Family Name or Surname <b>Ishii</b>	
Inventor's Signature <i>Hiroshi Ishii</i>		Date September 9, 2004	
Residence: City <b>Boston</b>	MA State	U.S.A. Country	U.S.A. Citizenship
Mailing Address <b>One Longfellow Place #2822</b>			
City <b>Boston</b>			
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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☒Customer Number  
or Bar Code Label

021253

OR ☐

Correspondence address below

Name

Address

City

State

ZIP

Country U.S.A.

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name Yao  
(first and middle (if any))Family Name Wang  
or SurnameInventor's  
Signature*Y. Wang*September 9, 2004  
Date

Residence: City Cambridge

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P.R. China  
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540 Memorial Drive, Apt. 906

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State MA

ZIP 02139U

Country U.S.A.

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name Assaf  
(first and middle (if any))Family Name Biderman  
or SurnameInventor's  
Signature

ASSAF BIDERMAN

September 9, 2004  
Date

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02139

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☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s). PTO/SB/02A attached hereto.

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